

ILLINOIS WEATHER & CROPS



**ILLINOIS
AGRICULTURAL
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**U. S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE**



**NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION**

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CROPS

Wheat harvest is well underway now with the crop ripening very quickly aided by warm and dry weather conditions. Crop conditions decreased this past week due to lack of rainfall over most of the State. Only a few isolated spots received a quarter to a half an inch of rain. Besides hoping for rain last week, farmers were cultivating; spraying chemicals; baling hay, set aside acres, roadsides, and waterways; hauling grain; mowing; and tending to livestock. For the week of June 11-17 there was an average of seven days suitable for fieldwork. All districts reported 100 percent shortage of soil moisture. This lack of moisture is causing poor regrowth of hay fields and pastures; the extreme temperatures are causing corn leaves to roll.

Condition of the **CORN** crop on June 17 was reported as 43% good, 44% fair, 12% poor, and 1% very poor. By June 19, the average height of all corn that had emerged was 30 inches, compared to 39 inches last year and the 5-year average (1983-87) of 26 inches. The average height of the most advanced fields was 42 inches, compared to 57 inches last year and the average of 40 inches.

Condition of the **SOYBEAN** crop by June 17 was 21% good, 64% fair, 14% poor, and 1% very poor.

Condition of **WINTER WHEAT** on June 17 was reported as 3% excellent, 43% good, 41% fair, 12% poor, and 1% very poor. By June 19, 95% of the wheat acreage was turning yellow, compared to 99% last year and the average of 79%. Sixty-one percent of the wheat acreage was ripe, compared to 87% last year and the average of 40%. Ten percent of the wheat crop was harvested, compared to 51% last year and the average of 17%.

OAT condition on June 17 was reported as 9% good, 65% fair, 24% poor, and 2% very poor. Ninety percent of the acreage was heading by June 19, compared to 95% last year and the average of 80%. Fifty-three percent of the acreage was filling compared to 73% last year and the average of 53%. Fifteen percent of the acreage was turning yellow compared to 30% last year and the average of 13%.

Condition of the **SORGHUM** crop by June 17 was reported as 14% good, 60% fair, 24% poor, and 2% very poor.

Cutting of the first crop of **ALFALFA HAY** was virtually complete, compared to 97% last year and the average of 91%. Sixteen percent of the second crop had been cut, compared to 21% last year and the average of 10%. Condition of the crop on June 17 was reported as 15% good, 49% fair, 34% poor, and 2% very poor.

Cutting of **CLOVER HAY** was 87% complete by June 19 compared to 88% last year and the average of 77%. Condition of the crop on June 17 was reported to be 1% excellent, 9% good, 52% fair, 37% poor, and 1% very poor.

PASTURE condition, as of June 17, was rated as 22% fair, 58% poor, and 20% very poor.

SOIL MOISTURE on June 17 was reported as 100% short.

ILLINOIS DISTRICT SUMMARY

:		Days	:	Soil		
District:	:	suitable for	:	moisture percent		
:	:	fieldwork	:	Short	: Adequate	: Surplus

:	- - - - - As of June 17 - - - - -					
NW	:	7.0	:	100	0	0
NE	:	7.0	:	100	0	0
W	:	7.0	:	100	0	0
C	:	7.0	:	100	0	0
E	:	7.0	:	100	0	0
WSW	:	7.0	:	100	0	0
ESE	:	7.0	:	100	0	0
SW	:	7.0	:	100	0	0
SE	:	7.0	:	100	0	0

State	:	7.0	:	100	0	0

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
May	1.54	1.51	2.08	1.68	1.26	1.69	1.61	1.98	2.12
Departure	-2.40	-2.18	-2.03	-2.31	-2.71	-2.46	-2.66	-2.32	-2.29

MAY WEATHER SUMMARY

Illinois recorded below normal temperatures and below normal precipitation. The Statewide average monthly **TEMPERATURE** was 2.5 degrees above normal as temperatures ranged from 1 to 4 degrees above normal. The warmest portion of the State was the northwest section, while the coolest area was in the southeast. The month started with near normal temperatures, as maximum readings climbed into the 60's and 70's. Minimum temperatures during this period dropped into the 30's in many northern and central areas, allowing several new low records to be set. During the middle of the month, temperatures climbed above normal for a short time. By the end of the month, maximum readings climbed into the 80's and 90's.

PRECIPITATION averaged below normal in the State (-2.37 inches below normal). The largest below normal variation was in the East District (-2.71 inches below normal). The least below normal variation was in the West District (-2.03 inches below normal). Cairo, in the Southwest District, received the largest total precipitation during the month (4.47 inches). However, many areas throughout the State received less than 1 inch of rain. Scattered showers fell during the month, with light to moderate amounts. Several stations in the South received more than 1 inch of rain during a 24-hour period on the 23rd and 24th. A dry period developed at the end of May.

The **OUTLOOK** from June 15 through July 15 is for temperatures to be above normal and precipitation to be below normal.

The **90-DAY OUTLOOK** from June to August is for temperature to be above normal and precipitation to be near normal.

WEATHER

AVERAGE HIGH TEMPERATURES WERE IN THE UPPER 80'S TO AROUND 90 DEGREES THIS WEEK. THESE VALUES EXCEEDED NORMAL BY 6 TO AS MUCH AS 10 DEGREES IN THE NORTH BUT ONLY BY 3 TO 6 DEGREES IN THE SOUTH. AVERAGE LOWS RANGED FROM THE MID-50'S TO THE MID-60'S. THOSE VALUES EXCEEDED NORMAL BY 3 TO 6 DEGEES IN THE NORTH HALF OF THE STATE BUT FELL SHORT OF NORMAL BY THAT AMOUNT IN THE SOUTH.

MANY STATIONS IN THE NORTH-CENTRAL AND EXTREME SOUTH PARTS OF THE STATE REPORTED NO PRECIPITATION AT ALL. SHOWERS PRODUCED LESS THAN A QUARTER INCH IN PARTS OF THE SOUTH HALF WITH 0.57 IN. REPORTED AT IUKA.

BASE 50 GROWING DEGREE DAYS ACCUMULATED AT FROM 140 TO 170 FOR THE MOST PART. TOTALS SINCE MAY 1 RANGE FROM 800 OR LESS IN PARTS OF THE NORTH TO AROUND 1000 IN THE EXTREME SOUTH.

FORECASTS FOR THE REMAINDER OF THIS WEEK INDICATE CONTINUED ABOVE NORMAL TEMPERATURES AND LITTLE CHANCE FOR RAIN.

Week ending 8 A.M. Monday, June 20, 1988

Location	: Temperatures :			: Precipitation :			: Growing Degree Days(50°)		
	: Maxi-:	: Mini-:	: Depar-:	: Curr.:	: Since:	: Departure :	: Curr.:	: Since:	: Departure
	: mum :	: mum :	: ture :	: week :	: May 1:	: since May 1:	: week :	: May 1:	: since May
ELIZABETH	87	57	3	0.01	1.47	-5.41	154	809	107
ROCKFORD	89	63	6	0.00	1.13	-5.68	173	880	202
CHICAGO	89	66	8	0.00	1.19	-4.70	181	844	180
CHI BOTANICAL	88	64	5	0.00	1.32	-4.60	170	743	15
ELWOOD	91	61	6	0.00	2.04	-4.52	169	886	197
WATSEKA	91	61	5	0.03	3.26	-3.84	167	882	112
PERU	90	65	6	0.00	0.92	-5.37	156	892	133
MOLINE	89	66	6	0.00	2.70	-4.35	187	944	182
PEORIA	89	64	5	0.00	1.98	-4.44	180	942	168
KILBOURNE	90	64	4	0.00	2.52	-4.48	179	950	93
MONMOUTH	88	63	4	0.00	2.24	-4.24	177	915	113
QUINCY	89	65	4	0.04	2.59	-4.44	181	951	118
PERRY	87	64	2	0.00	4.84	-1.79	176	915	38
SPRINGFIELD	88	64	2	0.00	2.35	-3.50	177	975	110
DECATUR	90	63	3	0.08	2.48	-4.60	176	954	79
URBANA	90	62	4	0.01	1.97	-4.21	171	959	144
WINDSOR	90	61	2	0.00	2.11	-4.70	167	969	99
TERRE HAUTE	90	58	2	0.04	2.49	-4.16	157	907	84
ST. LOUIS	90	70	NA	0.01	2.71	NA	199	1089	NA
BELLEVILLE	91	59	0	0.10	2.03	-4.49	163	951	19
BROWNSTOWN	90	59	1	0.12	2.08	-5.13	161	930	43
IUKA	89	60	0	0.57	2.86	-3.79	163	898	-31
LAWRENCEVILLE	90	60	NA	0.19	2.11	NA	164	930	NA
VINCENNES	89	59	0	0.15	1.91	-4.70	111	860	20
DIXON SPRINGS	91	57	-1	0.00	2.57	-4.70	156	944	-74
PADUCAH	92	61	1	0.00	3.24	-4.14	169	1002	-17
OLIVE BRANCH	90	57	-1	0.00	2.01	-5.44	155	951	-25
CARBONDALE	90	58	0	0.00	3.16	-3.81	159	941	-23
C GIRARDEAU	91	62	NA	0.00	4.01	NA	174	1016	NA

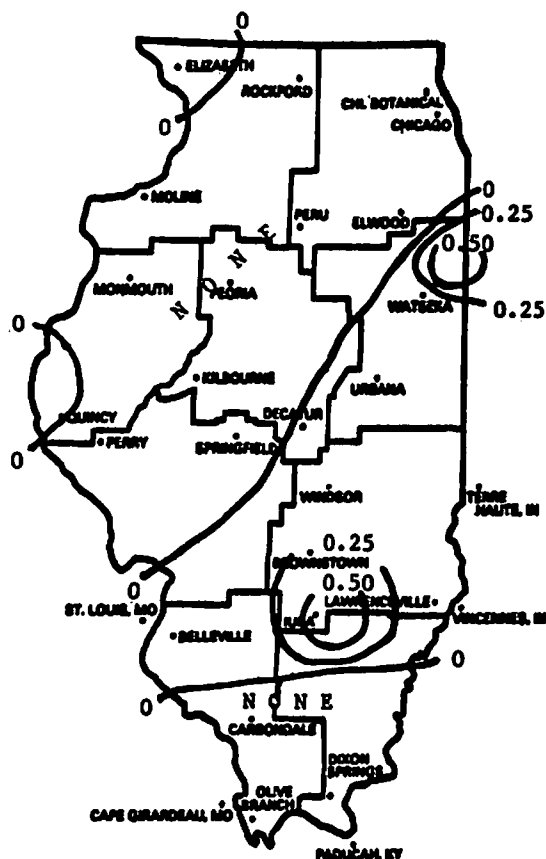
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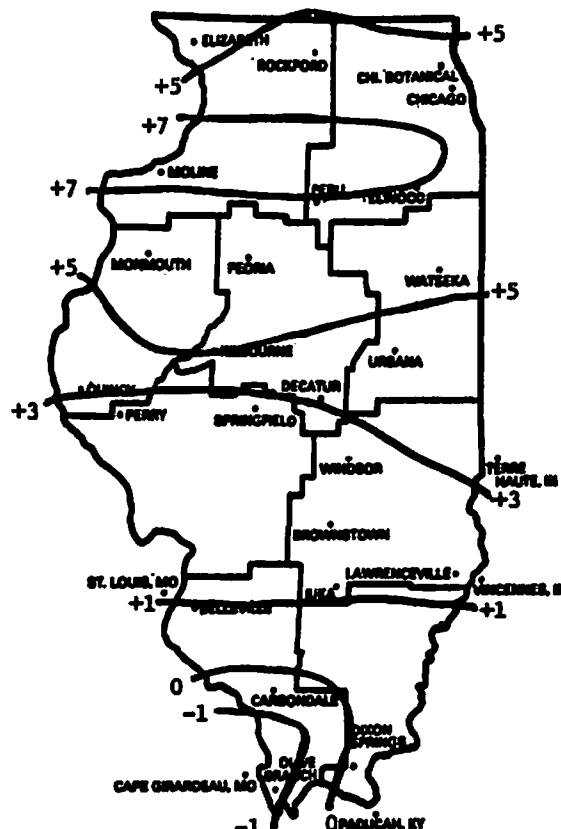
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PRECIPITATION (INCHES)
JUNE 14-20, 1988



TEMPERATURE DEPARTURES FROM
AVERAGE (°F) JUNE 14-20, 1988

CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers. Additional WEATHER INFORMATION is provided by the Illinois State Water Survey, IDE&NR, Champaign, Ill.; and National Weather Service Cooperative Observers, NOAA, Rosemont, Ill.